

## EAST Search History

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------|------------------|---------|---------------------|
| S1    | 1    | "20050254344".pn.  | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/17<br>07:55 |
| S2    | 0    | barras.inv. and<br>(tranducer and acoustic).<br>clm.                         | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/18<br>09:36 |
| S3    | 2    | barras.inv. and<br>(transducer and<br>acoustic).clm.                         | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/18<br>09:36 |
| S4    | 5    | ("6236889" "4242745"<br>"4320387" "5719825"<br>"5848027").pn.                | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/18<br>09:54 |
| S5    | 4084 | transducer same<br>(frequency adj<br>response)                               | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:17 |
| S6    | 1418 | S5 and bandwidth   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:18 |
| S7    | 106  | (electroacoustic adj<br>transducer) same<br>(frequency adj<br>response)      | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:19 |
| S8    | 0    | coincid\$3 same (carrier<br>adj wave) same<br>(frequency adj wave)           | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:36 |
| S9    | 1    | coincid\$3 same (carrier<br>adj wave\$1) same<br>(frequency adj<br>response) | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:37 |
| S10   | 3    | overlap\$4 same (carrier<br>adj wave\$1) same<br>(frequency adj<br>response) | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:37 |
| S11   | 176  | (electroacoustic adj<br>transducer) and<br>(spectral diversity)              | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:41 |
| S12   | 14   | (electroacoustic adj<br>transducer) same<br>(spectral diversity)             | US-PGPUB;<br>USPAT | OR               | ON      | 2008/03/19<br>08:41 |

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|-----|-----|--|-----------------|----|----|------------------|
| S13 | 1   | (electroacoustic adj transducer) same (spectral adj diversity)   | US-PGPUB; USPAT | OR | ON | 2008/03/19 08:41 |
| S14 | 1   | (electroacoustic adj transducer) and (spectral adj diversity)  | US-PGPUB; USPAT | OR | ON | 2008/03/19 08:41 |
| S15 | 2   | (transducer) and (spectral adj diversity)  | US-PGPUB; USPAT | OR | ON | 2008/03/19 08:42 |
| S16 | 1   | ((electroacoustic or electric\$4acoustic) adj transducer) or piezoelectric) same (carrier adj wave) same (frequency with sweep \$4)  | US-PGPUB; USPAT | OR | ON | 2008/03/19 08:52 |
| S17 | 2   | ((electroacoustic or electric\$4acoustic) adj transducer) or piezoelectric) and ((carrier adj wave) same (frequency with sweep \$4)) | US-PGPUB; USPAT | OR | ON | 2008/03/19 08:53 |
| S18 | 603 | ((constant or unchanged) adj envelope) same carrier  | US-PGPUB; USPAT | OR | ON | 2008/03/19 10:58 |
| S19 | 2   | S18 and ((electroacoustic or electric\$4acoustic) adj transducer) or piezoelectric)  | US-PGPUB; USPAT | OR | ON | 2008/03/19 10:58 |
| S20 | 18  | ((constant or unchanged) adj envelope) same carrier same (frequenc\$3 near3 (var\$4 or chang\$3))                                    | US-PGPUB; USPAT | OR | ON | 2008/03/19 11:02 |
| S21 | 621 | linear\$2 same carrier same (frequenc\$3 near3 (var\$4 or chang\$3))   | US-PGPUB; USPAT | OR | ON | 2008/03/19 13:45 |
| S22 | 288 | carrier same ((frequenc \$3 near3 (var\$4 or chang \$3)) with linear\$2)   | US-PGPUB; USPAT | OR | ON | 2008/03/19 13:47 |
| S23 | 31  | S22 and transducer\$1  | US-PGPUB; USPAT | OR | ON | 2008/03/19 13:48 |

|     |   |  |                        |    |    |                     |
|-----|---|--|------------------------|----|----|---------------------|
| S24 | 7 | (US-20030155843-\$).<br>did. or (US-6236889-\$<br>or US-4209783-\$ or US-<br>6560293-\$ or US-<br>6404821-\$ or US-<br>5337289-\$ or US-<br>4245220-\$).did. | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/03/19<br>15:49 |
| S25 | 4 | S24 and table  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/03/19<br>15:49 |

3/ 24/ 2008 7:56:08 AM

C:\ Documents and Settings\ Lnguyen35\ My Documents\ EAST\ Workspaces\ 10526159 -  
Transmission system using sound waves.wsp